

SECTION 32 31 19

DECORATIVE METAL FENCES AND GATES

PART 1 - GENERAL

1.01 DESCRIPTION

- A. This Section describes the requirements for furnishing and installing the following:
 - 1. Decorative metal fencing at Plaza/Lawn area, new exit stair and as indicated.
 - 2. Decorative metal swinging gates.
 - 3. Decorative metal sliding gates.

1.02 SUBMITTALS

- A. Product Data: Manufacturer product data including metal fence and gate component materials.
- B. Shop Drawings: Show fencing components, elevation of fence sections, gates details, and installation details.

1.03 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Minimum 2-years experience fabricating panelized fencing of the type required.
- B. Installer's Qualifications: Minimum 2-year experience installing panelized fencing of the type required.

1.04 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store packaged material in original containers with seals unbroken and labels intact until time of use.

PART 2 - PRODUCTS

2.01 APPROVED MANUFACTURERS

- A. Ametco Manufacturing Company "Metro" Panels, Builders Fence Company or approved equal.

2.02 MATERIALS AND FABRICATION

- A. Material: Electro forged welded steel rods.
- B. Vertical Bars: 31/32-inch x 1/8-inch.
- C. Horizontal Bars: 3/16-inch diameter.
- D. Mesh Size: 2-7/16-inch x 5-3/16-inch.
- E. Posts: 4-inch x 4-inch x 3/16-inch tube steel section with cover plate at exposed tops.
- F. Panel Height: 84-inches unless otherwise indicated.
- G. Panel Width: As indicated.
- H. Swinging Gates: Frame with 2-inch x 2-inch steel tubing around perimeter as indicated. Infill with panelized fencing to match adjacent fence. Gate shall match height at adjacent fence. Provide hinges and locking mechanism.
- I. Sliding Gates: Frame with 4-inch x 2-inch steel tubing around perimeter. Infill with panelized fencing to match adjacent fence. Gate shall match height at adjacent fence. Provide heavy-duty channel track, ball-bearing rollers, guides, stays, bracing and other hardware and accessories as required.
- J. Finish: Hot-dip galvanized and finished with a polyester powder coat in color selected by the County's Representative from manufacturer's complete color range.

2.03 ACCESSORIES

- A. Mounting Bolts: Stainless steel bolts and nuts, vandal-proof design.
- B. Panelized Fence Accessories: Provide indicated items required to complete fence system. Galvanize each ferrous metal item in accordance with ASTM B695 and finished to match framing.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Excavation: Drill holes for posts of diameter and spacing indicated, in firm, undisturbed or compacted soil.
 - 1. Excavate holes to minimum diameters recommended by panelized fencing manufacturer.
- B. Setting Fence Sections: Center and align posts for each section in holes 6-inches above bottom of excavation.
 - 1. Place concrete around posts and vibrate or tamp for consolidation.
 - 2. Check each section for vertical, plumb, and top alignment, and hold in position during placement and finishing operations.
- C. Fasten fence sections together using tamper-resistant fasteners.

3.02 CLEANING

- A. Clean up debris and unused material, and remove from the site.

END OF SECTION